

CLAIMS

1. A method of using a service in a mobile communication network, in which method a service formed of one or more service contents are provided to be used by mobile stations connected to a mobile communication system, comprising:

5 sending a transmission request for the desired service content from a mobile station;

registering the received transmission request in the transmission queue maintained in the mobile communication system;

10 reading the service content having the transmission turn from the transmission queue when the service is transmitted; and

transmitting from the mobile communication system the service content to all mobile stations logged in to receive service content.

2. A method according to claim 1, wherein sending a transmission request for the desired service content from the mobile station on the control channel of the mobile communication system.

15 3. A method according to claim 1, wherein transmitting service content to the mobile stations logged in to receive service content on the service channel of the mobile communication system.

20 4. A method according to claim 1, wherein the service is music and the service content is a piece of music.

25 5. A method according to claim 1, wherein registering the received transmission request last in the transmission queue and reading the first service content in the transmission queue as the service content having the transmission turn.

6. A method according to claim 1, further comprising billing the mobile station for sending the transmission request for service content.

30 7. A method according to claim 6, wherein billing the mobile station for sending the transmission request for service content, the sum being according to the wishes of the mobile station user, whereby the position of the service content in the transmission queue depends on the sum paid by the user.

35 8. A method according to claim 1, wherein providing in the mobile communication system the number and/or the total transmission time of the service contents in the transmission queue to be read by the mobile stations.

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9. A method according to claim 1, wherein providing in the mobile communication system the transmission order of the service contents in the transmission queue to be read by the mobile stations.

10. A method according to claim 1, wherein the mobile communication system is a digital mobile communication system, such as a GSM or UMTS mobile communication system, and sending a transmission request for service content for example as a short message (SMS) or by means of the WAP protocol.

11. An arrangement for using a mobile communication service,
10 comprising a mobile communication system, which comprises base stations
for transmitting services formed of one or more service contents, the
arrangement further comprising one or more mobile stations connected to the
base station of the mobile communication system, wherein at least one mobile
station of the mobile stations connected to the base station comprises means
15 for sending a transmission request for the desired service content, the
arrangement further comprising means for maintaining the transmission queue
of service contents, means for receiving the transmission request for the
desired service content, means for registering the received transmission
request in the transmission queue, means for reading the service content
20 having the transmission turn from the transmission queue when the service is
transmitted, and means for transmitting the service content to all mobile
stations located in the service area of the base station and logged in to receive
service content.

12. An arrangement according to claim 11, the arrangement further comprising one or more control channels for sending transmission requests for service contents of mobile stations, and that sending means of the mobile station are arranged to send a transmission request for the desired service content on said control channel.

13. An arrangement according to claim 11, the mobile communication system further comprising a service channel for sending a service to the mobile stations logged in to receive a service.

14. An arrangement according to claim 11, wherein the service is music and that the service content is a piece of music.

15. An arrangement according to claim 11, the arrangement further comprising means for positioning the received transmission request last in the

transmission queue and means for reading as the service content having the transmission turn the first service content in the transmission queue.

16. An arrangement according to claim 11, the arrangement further comprising means for billing the mobile station for sending the transmission request for service content.

17. An arrangement according to claim 16, wherein the billing means are arranged to charge the mobile station the amount of money the mobile station user wishes for sending the transmission request for service content, the arrangement comprising means for changing the position of the service content in the transmission queue depending on the sum paid by the user.

18. An arrangement according to claim 11, the arrangement further comprising means for presenting the number and/or the total transmission time of the service contents in the transmission queue to be read by the mobile stations.

19. An arrangement according to claim 11, the arrangement further comprising means for presenting the transmission order of the service contents in the transmission queue to be read by the mobile stations.

20 20. An arrangement according to claim 11, wherein the mobile communication system is a digital mobile communication system, such as a GSM or UMTS mobile communication system, and said transmission request for service content is sent in the system for example as a short message (SMS) or by means of the WAP protocol.

21. A network element in a mobile communication system for offering a service to mobile stations connected to the mobile communication system, wherein the network element comprises means for maintaining the transmission queue of service contents, means for receiving the transmission request for the desired service content sent by the mobile station connected to the base station, means for registering the received transmission request in the transmission queue, and means for reading the service content having the transmission turn from the transmission queue when the service is transmitted, the intention being to send said service content to all mobile stations located in the service area of the base station and logged in to receive service content.

22. A network element according to claim 21, wherein the service is
35 music and the service content is a piece of music.

23. A network element according to claim 21, wherein the network element comprises means for positioning the received transmission request last in the transmission queue, and means for reading as the service content having the transmission turn the service content first in the transmission queue.

24. A network element according to claim 21, the network element further comprising means for billing the mobile station for sending the transmission request for service content.

25. A network element according to claim 24, wherein the billing means are arranged to charge the mobile station the amount of money the mobile station user wishes for sending the transmission request for service content, the network element comprising means for changing the position of the service content in the transmission queue depending on the sum paid by the user.

26. A network element according to claim 21, the network element further comprising means for presenting the number and/or the total transmission time of the service contents in the transmission queue to be read by the mobile stations.

27. A network element according to claim 21, the network element further comprising means for presenting the transmission order of the service contents in the transmission queue in the mobile communication system to be read by the mobile stations.

28. A mobile station, comprising:

means for being connected to a mobile communication network

25 providing a service formed of service contents on its service channel;

means for logging into the service channel of the mobile communication system to receive a service; and

means for receiving service content together with other mobile stations logged into the service channel.

30 29. A mobile station according to claim 28, further comprising means for sending a transmission request for the desired service content.

30 30. A mobile station according to claim 28, further comprising means for reading the number and/or the total transmission time of the service contents in the transmission queue of service contents maintained in the mobile communication system.

31. A mobile station according to claim 28, further comprising means for reading the transmission order of the service contents in the transmission queue of service contents maintained in the mobile communication system.